ED 10-16-02
Rcd 10-16-02

receipt

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SOUTHMAYD POWELL & TAYLOR
ATTORNEYS AT LAW
1764 CHURCH STREET N W
WASHINGTON, DC 20036

(202) 797-8822

JEFFREY D SOUTHMAYD
RUSSELL C POWELL
WILLIAM L TAYLOR
STEPHEN C SIMPSON*

*ADMITTED IN MA ONLY

COUNSEL
GREGG R POTVIN*
MICHAEL R MILLER

*ADMITTED IN IDAHO ONLY

August 19, 1986



Mr. William J. Tricarico
Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

Re: Channel 257A
Anchor Point-Seldovia, AK

Dear Mr. Tricarico:

Transmitted herewith, in triplicate, on behalf of Peninsula Communications, Inc. is an FCC Form 346 application seeking a modification of the above-referenced construction permit. The requested modification pertains to a change in operating frequency from 92.7 MHz to 99.3 MHz.

Should you have any questions concerning this matter, please contact the undersigned.

Very truly yours,

Stephen C Simpson

Stephen C. Simpson

Enclosure
SCS/cmj

SCS1

1

United States of America
Federal Communications Commission
Washington, D C 20554

Approved by OMB
3060-0016
Expires 1-31-88

COMMISSION USE ONLY
File No

**APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN A LOW POWER TV, TV TRANSLATOR OR FM TRANSLATOR STATION**
*(Carefully read instructions before filling out form—***RETURN ONLY FORM TO FCC***)*

Section 1 GENERAL INFORMATION

1. Name of Applicant

PENINSULA COMMUNICATIONS, INC.

Street Address P. O. BOX 103
6614O DIAMOND RIDGE RD.

City
HOMER

State
AK

ZIP Code
99603

Telephone No *(include area code)*
(907) 235-7551

2. This application is for *(check one box)*

☒ FM Translator ☐ Low Power Television ☐ Low Power TV-Subscription TV (FCC approved technical system) ☐ TV Translator

(a) Channel No.
257A

(b) Community of License
City: ANCHOR POINT-SELDOVIA State: AK

Check the appropriate boxes below

(1) New Station ☐

*(2) Modification of Construction Permit (CP) (Check this box only if CP is not covered by an operating license) ☒

CP File No
BPFT-860409TR

(3) Change in licensed facilities ☐ *(check Major or Minor)*
Major ☐ Minor ☐

Call Letters
K224BU

Application Reference No

**(4) Amendment of pending applications ☐

Note: *If the proposed change is "minor" pursuant to Section 73 3572 of the Commission's Rules attach plots, comparing the existing and proposed protected signal contours as Exhibit No ____
**For amendments to a previously filed application, submit only Section I and those portions of the form that contain the amended information

3 (a) Is this application mutually exclusive with a renewal application? ☐ Yes ☒ No

(b) To the applicant's knowledge, is this application mutually exclusive with another application(s)? ☐ Yes ☒ No
If the answer to question 3(a) or 3(b) is Yes, state the following information.

| | Call letters or File No | Community of License City | State |
|---|---|---|---|
| | | | |
| (b) | | | |

## GENERAL INFORMATION

| | YES | NO |
|---|---|---|
| 4. (a) Is translator applicant the licensee of primary station? | ☒ | ☐ |
| (b) If answer to 4(a) is No has written authority been obtained from the licensee of the station whose programs are to be retransmitted? | ☐ | ☐ |
| 5 Station Identification | | |
| The Applicant certifies that it will comply with applicable station identification rules See Sections 73 1201 74 783 and 74 1283 of the Commission s Rules | ☒ | ☐ |
| 6 Is type approved broadcast equipment being specified? | ☒ | ☐ |
| If No, indicate date equipment was submitted to FCC Laboratory for approval | | |
| 7 Would a Commission grant of your application be a major action as defined by Section 1 1305 of the of the Commission's Rules? None of the provisions of Section 1.1305(a) is applicable | ☐ | ☒ |
| If Yes, attach as Exhibit No _____ the required statement in accordance with Section 1 1311 of the Commission's Rules | | |
| If No explain briefly | | |
| 8 If the application is for a new FM translator, have any funds, legal or engineering services or anything else of value been furnished, directly or indirectly by the licensee, or permittee of any FM broadcast station or any person associated with such station? | ☒ | ☐ |
| If Yes attach an explanation as Exhibit No A-5 , identifying the source and nature of the financial support or assistance | | |

Applicant is licensee of primary station, KPEN-FM

Section VI

## ENGINEERING DATA

1 Facilities requested.

a

| Output Channel No. | Transmitter Rated Power Output | Proposed Principal Community(ies) to be served City | State |
|---|---|---|---|
| 257A | 100 W | ANCHOR POINT - SELDOVIA | AK |

Frequency 99.3 MHz *** SEE EXHIBIT A-6

Primary station (*station to be rebroadcast — Translator station only*)

| Call Sign | City | State | Frequency |
|---|---|---|---|
| KPEN (FM) | SOLDOTNA | AK | 101.7 MHz |

b Offset (Low Power TV and TV Translator Stations only) *(Check one of the following)*

☐ No offset ☐ Zero offset ☐ Plus offset ☒ Minus offset

c Input Channel Frequency No 285A 104.9 MHz

If station is to operate via another translator station, indicate call sign and location of final intermediate translator

Via Stariski Creek FM Translator, K285CZ

2 Proposed transmitter location

City HOMER State AK

County KENAI PENINSULA BOROUGH

Address or other description of location:
66140 Diamond Ridge Road
HOMER, ALASKA

Geographical coordinates of transmitting antenna to nearest second
North Latitude 59° 41' 03" West Longitude 151° 37' 51"

Attach as Exhibit No A-2 a map or maps (preferably topographic, if obtainable, such as Geological Survey quadrangles) for of the area of the proposed transmitter location shown drawn thereon the following data

a Scale of miles
b Proposed transmitter location accurately plotted
c Principal community to be served by the proposed station, clearly identified and labeled.

| | Make | Type No | Length | Output Power |
|---|---|---|---|---|
| 3 Transmitter | QEI Corp.<br>TEPCO Corp. | 675T150A Amplifier<br>1-317 Robt Jones | | 0.100 kw.<br>0.010 |
| 4 Transmission line. | CABLEWAVE | FLC 12-50J | 50 ft. | Rated efficiency E for length given *(decimal fraction)* 0.90 |

5 Transmitting antenna ☒ Directional ☐ Non-Directional

| Manufacturer | Model[1] | Description[1] |
|---|---|---|
| SCALA ELECTRONICS INC. | HDCA-10 & HDCA-5 | 4 stacked 10 element Yagi's -plus- 2 stacked 5 element Yagi's |

| Orientation[2] | Height above ground[3] | Elevation of Site[4] | Power gain G *(multiplier)* in lobe of maximum radiation relative to a halfway dipole[5] |
|---|---|---|---|
| 100°, 190°, 315° | 62 ft. | 1135 ft. | 25.1 |

Effective radiated power (ERP) (ERP=P X E X G) 2.26 kw

Height of antenna radiation center above mean sea level 52 ft (Horz) / 32 ft (Vert) ft

[1]Give basic type using general descriptive terms such as half-wave dipole, "bow-tie" with screen, corner reflector, 10 element Yagi, 4 element in-phase array, two stacked 5 element Yagis, etc.
[2]Show the direction of the main radiation lobe in degrees with respect to true north in a 360 degree horizontal azimuth, numbered clockwise, with true north as zero degrees south
[3] height to topmost portion of structure, including highest top mounted antenna and beacon if any.
the ground elevation above mean sea level at the base of the transmitting antenna supporting structure
[5]Give the actual power gain toward the radio horizon

6 Attach as Exhibit No. A-3 a vertical plan sketch for the proposed total structure(s) including supporting structure(s), giving height of center of radiation above ground, overall height of structure above ground, including lighting beacon (if any) and height above mean sea level in feet for all significant features for BOTH RECEIVING AND TRANSMITTING ANTENNAS. Also indicate any horizontal separation between receiving and transmitting antennas

7 Will the proposed antenna supporting structure be shared with another station or stations of any class? ☒ YES ☐ NO

If Yes, list the call signs and class of such stations

FM TRANSLATOR K296BH Alaska Village Missions, Inc.

8 Attach as Exhibit No A-4 a polar diagram of the radiation pattern (relative field) of the transmitting antenna showing clearly the correct relationship between the major lobe or lobes and the minor lobes of radiation and a tabulation of the pattern at every ten degrees and all maxima and minima. Applicants proposing use of multiple transmitting antennas shall submit a composite radiation pattern. If a non directional transmitting antenna will be employed, i e. an antenna with an approximately circular radiation pattern, check here ☐ and omit polar diagram

9 Has FAA been notified of proposed construction? (NOT REQUIRED) ☐ YES ☒ NO

If Yes, give date and office where notice was filed.

10 Unattended operation

a Is unattended operation proposed? ☒ YES ☐ NO

If Yes, and this application is for authority to construct a new station or to make changes in the facilities of an authorized station which proposes unattended operation for the first time, applicant will comply with the several requirements of Section 74 734 (TV Translators) or Section 74.1234 (FM Translators) of the Rules concerning unattended operation

b In space below state name, address and telephone number of a person or persons who may be contacted in an emergency to suspend operation of the translator should such action be deemed necessary by the Commission

| Name | Address *(street or other description)* | City | State | Telephone No *(include area code)* |
|---|---|---|---|---|
| David F. Becker | 66140 Diamond Ridge Rd., P. O. BOX 103 | Homer, | Alaska | (907) 235-7551 |

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief

David F Becker — 8/8/86 — (907) 235-7551

Signature (Print name below) — Date — Telephone No. *(include area code)*

David F. Becker

☐ Technical Director ☐ Registered Professional Engineer ☐ Consulting Engineer

☒ Chief Operator ☐ Other *(specify)*

**Section VII** **Equal Employment Opportunity Program**

Does the applicant propose to employ five or more fulltime employees? ☐ YES ☒ NO

If the answer is Yes, the applicant must include an EEO program called for in the separate 5 Point Model EEO Program

**Section VIII** **Certification**

Has or will the applicant comply with the public notice requirement of Section 73.3580 of the Commission's Rules? ☐ YES ☐ NO

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application *(See Section 304 of the Communications Act of 1934, as amended.)*

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict

In accordance with Section 1.65 of the Commission's Rules, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT U.S. CODE, TITLE 18, Section 1001.**

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith

Signed and dated this 8th day of AUGUST, 19 86

PENINSULA COMMUNICATIONS, INC.
Name of Applicant

David F. Becker
Signature

David F. Becker
President
Title

**FCC NOTICE TO INDIVIDUALS REQUIRED BY PRIVACY ACT AND THE PAPERWORK REDUCTION ACT**

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff consisting variously of attorneys, analysts, engineers and application examiners, will use the information to determine whether the application whould be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested Authority

**THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3) AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507**



6

# EXHIBIT A-3 (PAGE 1)

AMMENDED

8-7-86

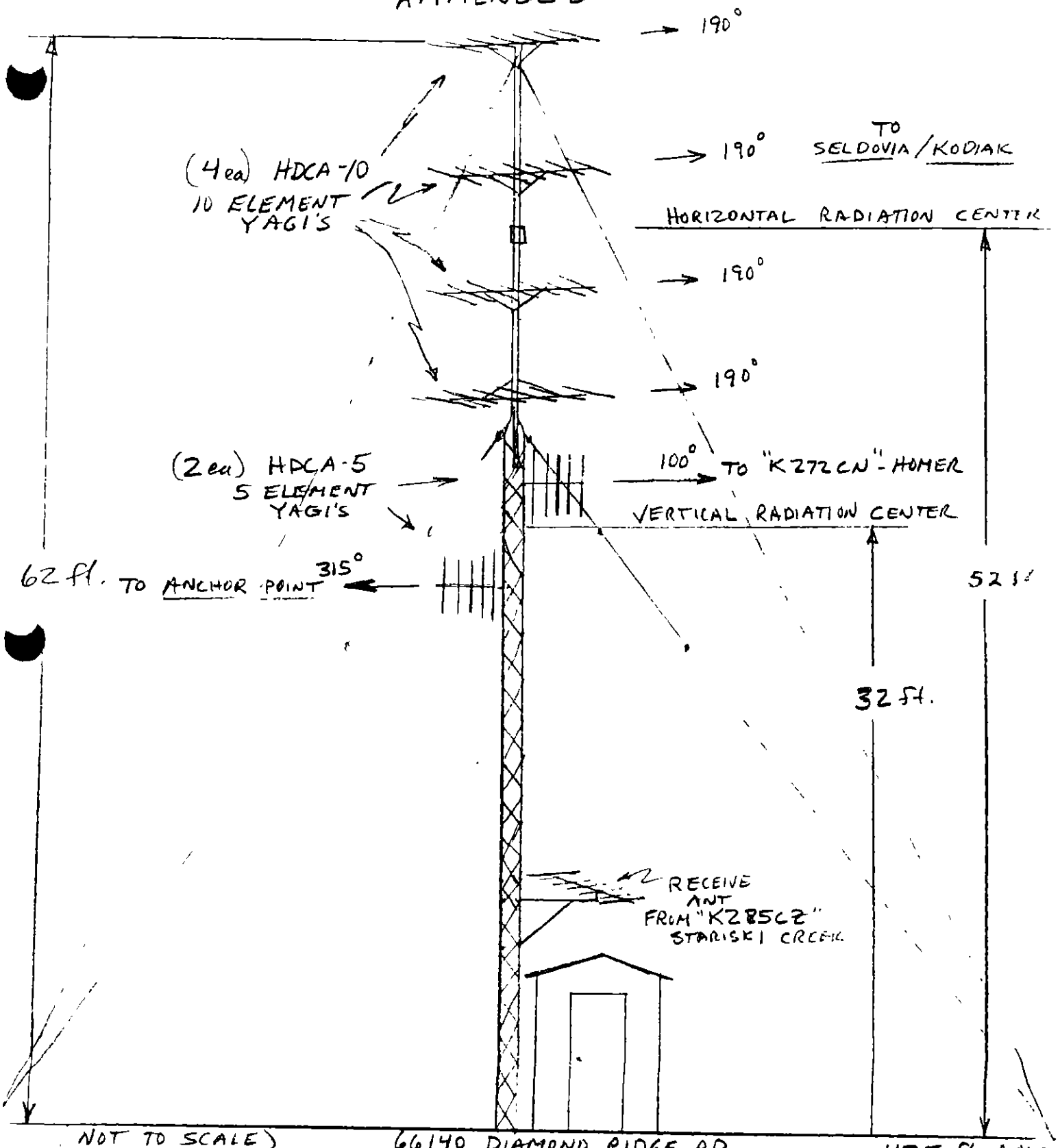



EXHIBIT A-3 PROPOSED ANTENNA STRUCTURE

VERTICAL PLAN SKETCH

FCC FORM 346

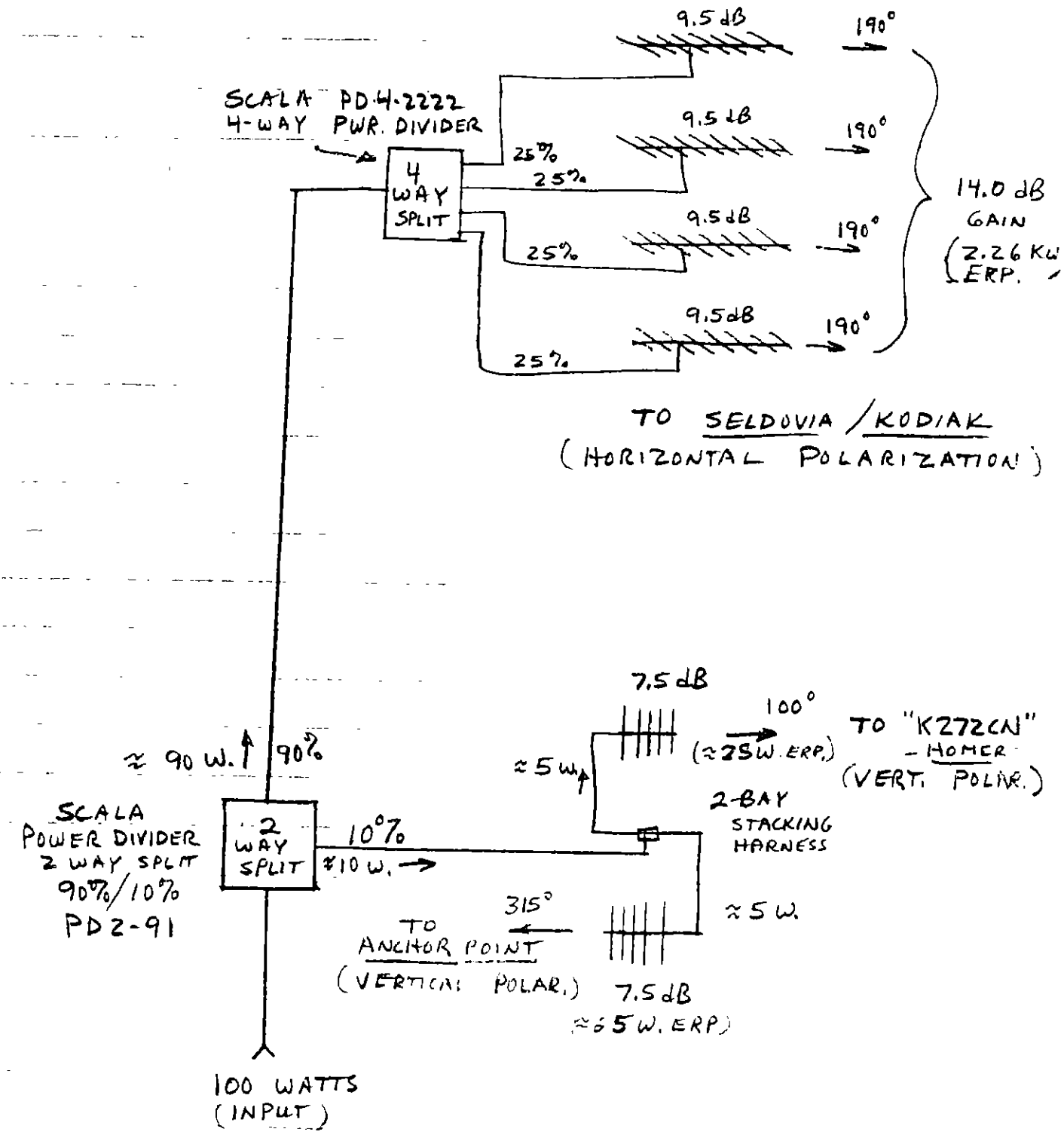
N. LAT. 59° 41' 03"
W. LONG. 151° 37' 51"

7

# EXHIBIT A-3 (PAGE 2)
AMMENDED

8-7-86

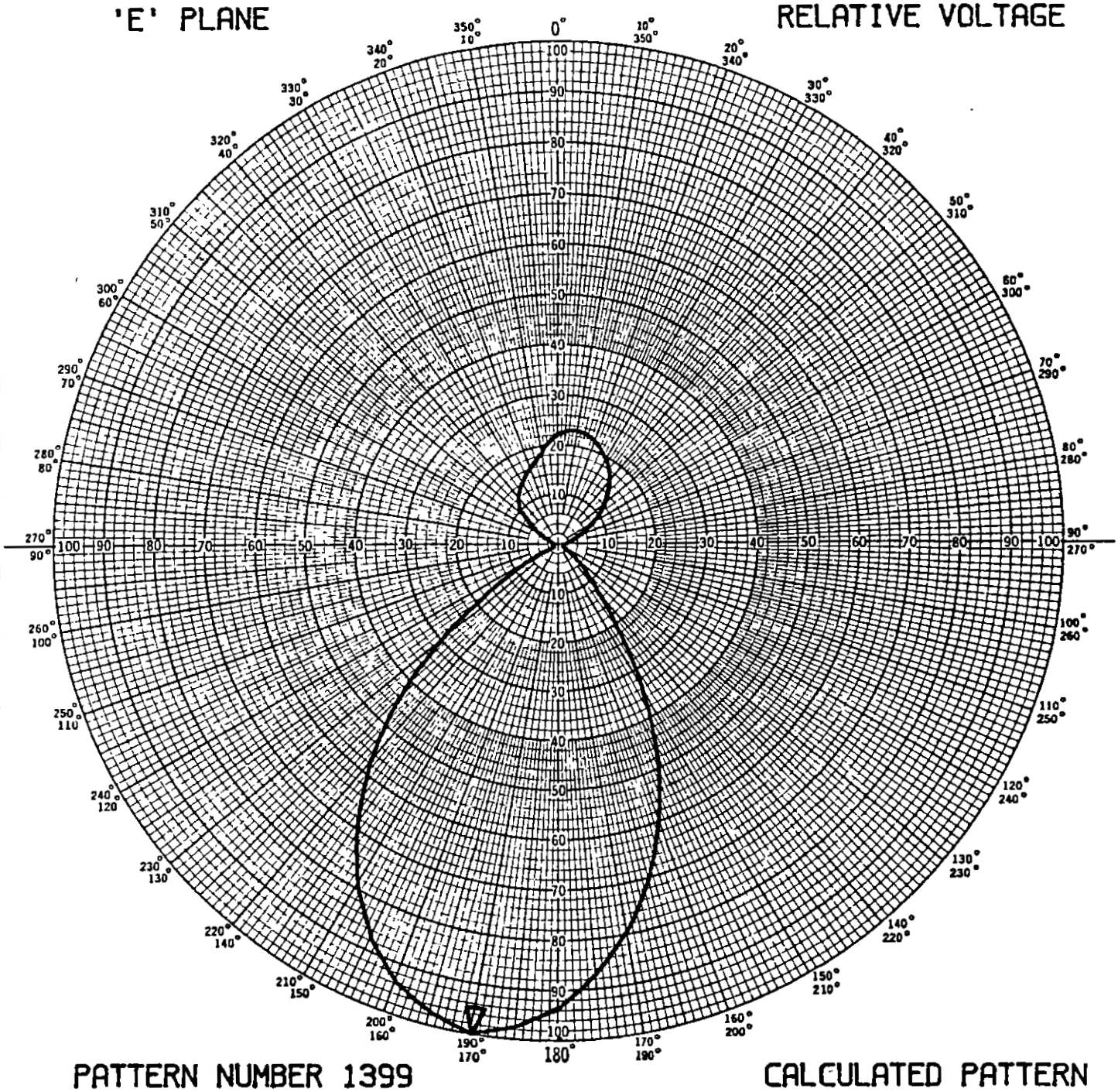
## ANTENNA WIRING DIAGRAM-SCHEMATIC




| AZIMUTH | Power Split Ratio | ≈ E.R.P. | POLARIZATION |
|---|---|---|---|
| 100° | 5% | 25 W | VERTICAL |
| 190° | 90% | 2.26 KW | HORIZONTAL |
| 315° | 5% | 25 W | VERTICAL |

'E' PLANE

RELATIVE VOLTAGE




PATTERN NUMBER 1399

CALCULATED PATTERN

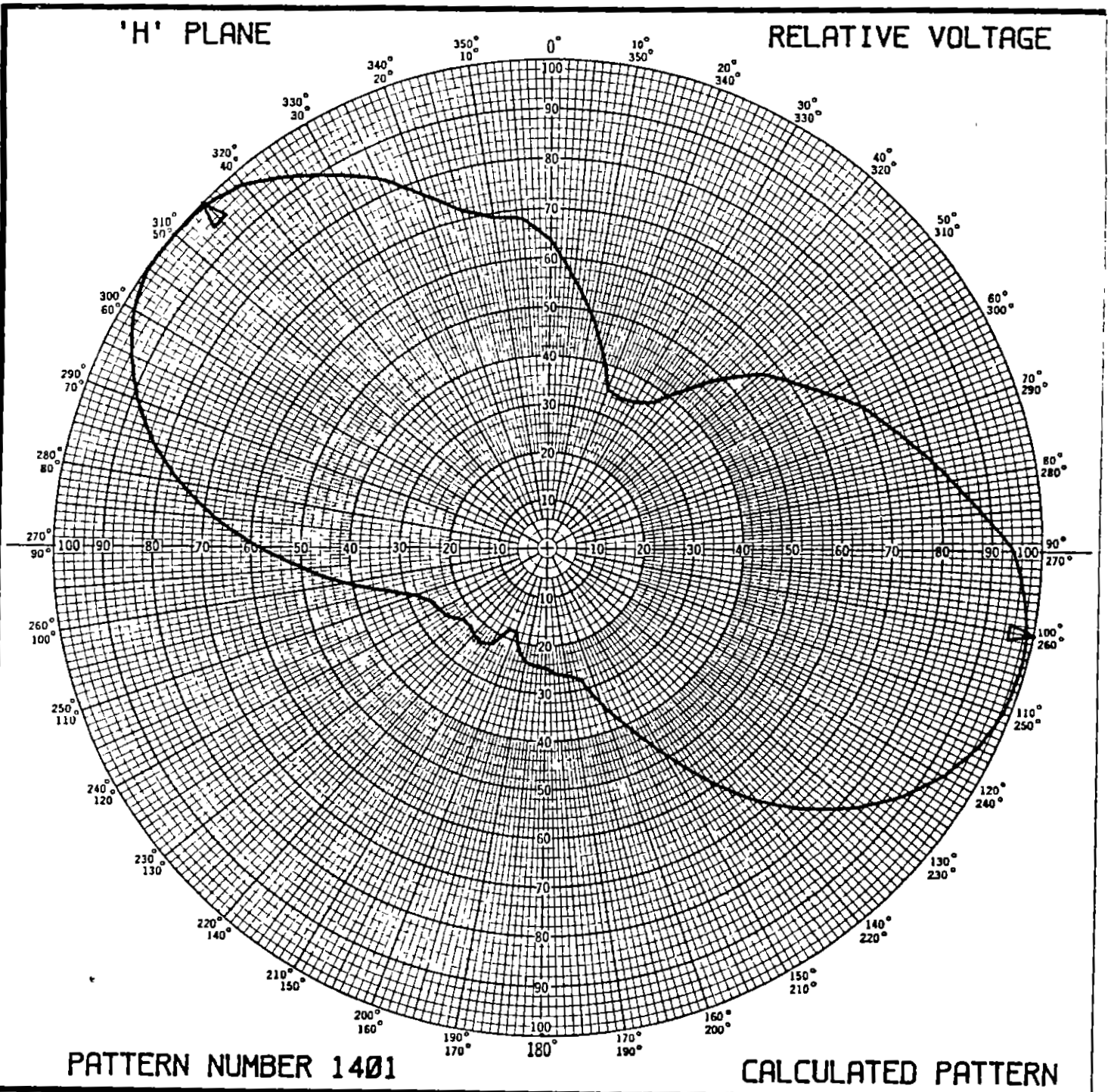

SCALA
ELECTRONIC CORPORATION
POST OFFICE BOX 4580
MEDFORD, OREGON 97501
(503) 779-6500
TELEX: 151681


FOUR SCALA HDCA-10 YAGIS ( FM )
ALL ORIENTED AT 190 DEGREES
MAXIMUM ARRAY GAIN: 14.0 dBd
WITH 90% POWER
HORIZONTAL POLARIZATION

EXHIBIT A-4 Page 1

PATTERN NUMBER 1399

| AZIMUTH | RELATIVE VOLTAGE | RELATIVE DB | DBD |
|---|---|---|---|
| 0 | 0.225 | -13.0 | 1.0 |
| 10 | 0.233 | -12.7 | 1.3 |
| 20 | 0.220 | -13.2 | 0.8 |
| 30 | 0.195 | -14.2 | -0.2 |
| 40 | 0.160 | -15.9 | -1.9 |
| 50 | 0.120 | -18.4 | -4.4 |
| 60 | 0.070 | -23.1 | -9.1 |
| 70 | 0.030 | -30.5 | -16.5 |
| 80 | 0.015 | -36.5 | -22.5 |
| 90 | 0.010 | -40.0 | -26.0 |
| 100 | 0.010 | -40.0 | -26.0 |
| 110 | 0.010 | -40.0 | -26.0 |
| 120 | 0.010 | -40.0 | -26.0 |
| 130 | 0.050 | -26.0 | -12.0 |
| 140 | 0.120 | -18.4 | -4.4 |
| 150 | 0.330 | -9.6 | 4.4 |
| 160 | 0.590 | -4.6 | 9.4 |
| 170 | 0.792 | -2.0 | 12.0 |
| 180 | 0.935 | -0.6 | 13.4 |
| 190 | 1.000 | 0.0 | 14.0 |
| 200 | 0.938 | -0.6 | 13.4 |
| 210 | 0.792 | -2.0 | 12.0 |
| 220 | 0.580 | -4.7 | 9.3 |
| 230 | 0.310 | -10.2 | 3.8 |
| 240 | 0.095 | -20.4 | -6.4 |
| 250 | 0.010 | -40.0 | -26.0 |
| 260 | 0.010 | -40.0 | -26.0 |
| 270 | 0.010 | -40.0 | -26.0 |
| 280 | 0.010 | -40.0 | -26.0 |
| 290 | 0.010 | -40.0 | -26.0 |
| 300 | 0.030 | -30.5 | -16.5 |
| 310 | 0.080 | -21.9 | -7.9 |
| 320 | 0.125 | -18.1 | -4.1 |
| 330 | 0.145 | -16.8 | -2.8 |
| 340 | 0.165 | -15.7 | -1.7 |
| 350 | 0.190 | -14.4 | -0.4 |




PATTERN NUMBER 1401

CALCULATED PATTERN

SCALA
ELECTRONIC CORPORATION
POST OFFICE BOX 4580
MEDFORD, OREGON 97501
(503) 779-6500
TELEX: 151681

TWO SCALA HDCA-5 YAGIS ( FM )
ORIENTED AT 100 AND 315 DEGREES
MAXIMUM ARRAY GAIN: -5.4 dBd
WITH 10% POWER
VERTICAL POLARIZATION

EXHIBIT A-4 Page 3

PATTERN NUMBER 1401

| AZIMUTH | RELATIVE VOLTAGE | RELATIVE DB | DBD |
|---|---|---|---|
| 0 | 0.640 | -3.9 | -9.3 |
| 10 | 0.493 | -6.1 | -11.5 |
| 20 | 0.351 | -9.1 | -14.5 |
| 30 | 0.351 | -9.1 | -14.5 |
| 40 | 0.432 | -7.3 | -12.7 |
| 50 | 0.568 | -4.9 | -10.3 |
| 60 | 0.649 | -3.8 | -9.2 |
| 70 | 0.739 | -2.6 | -8.0 |
| 80 | 0.829 | -1.6 | -7.0 |
| 90 | 0.946 | -0.5 | -5.9 |
| 100 | 0.988 | -0.1 | -5.5 |
| 110 | 0.985 | -0.1 | -5.5 |
| 120 | 0.933 | -0.6 | -6.0 |
| 130 | 0.829 | -1.6 | -7.0 |
| 140 | 0.676 | -3.4 | -8.8 |
| 150 | 0.486 | -6.3 | -11.7 |
| 160 | 0.342 | -9.3 | -14.7 |
| 170 | 0.266 | -11.5 | -16.9 |
| 180 | 0.246 | -12.2 | -17.6 |
| 190 | 0.237 | -12.5 | -17.9 |
| 200 | 0.180 | -14.9 | -20.3 |
| 210 | 0.225 | -12.9 | -18.3 |
| 220 | 0.230 | -12.8 | -18.2 |
| 230 | 0.223 | -13.0 | -18.4 |
| 240 | 0.250 | -12.0 | -17.4 |
| 250 | 0.279 | -11.1 | -16.5 |
| 260 | 0.410 | -7.7 | -13.1 |
| 270 | 0.582 | -4.7 | -10.1 |
| 280 | 0.757 | -2.4 | -7.8 |
| 290 | 0.887 | -1.0 | -6.4 |
| 300 | 0.977 | -0.2 | -5.6 |
| 310 | 1.000 | 0.0 | -5.4 |
| 320 | 0.973 | -0.2 | -5.6 |
| 330 | 0.886 | -1.1 | -6.5 |
| 340 | 0.775 | -2.2 | -7.6 |
| 350 | 0.694 | -3.2 | -8.6 |

receipt

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ATTORNEYS AT LAW
1764 CHURCH STREET, N W
WASHINGTON, DC 20036
(202) 797-8822

RECEIVED
OCT 23 1986
FCC
Office of the Secretary

JEFFREY D SOUTHMAYD
RUSSELL C POWELL
WILLIAM L TAYLOR
STEPHEN C SIMPSON*

*ADMITTED IN MA ONLY

COUNSEL
GREGG R POTVIN*
MICHAEL R MILLER

*ADMITTED IN IDAHO ONLY

October 23, 1986

Mr. William J. Tricarico
Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

Re: K224BU
BPFT-860409TR
Anchor Point-Seldovia, AK

Dear Mr. Tricarico:

Peninsula Communications, Inc., by its attorney, hereby respectfully requests Special Temporary Authority to operate the above-referenced translator on Channel 257A at Anchor Point-Seldovia, AK. In support thereof, the following is shown:

1. On August 19, 1986 Peninsula Communications, Inc. filed an FCC Form 346 application seeking modification of the construction permit for FM translator station K224BU at Anchor Point-Seldovia, Alaska to change frequency from 92.7 MHz to 99.3 MHz. This application did not appear on Public Notice as having been tendered for filing until September 26, 1986 (MM #7103). See FCC File No. BMPFT-860819TC.

2. Due to the significant lapse of time till appearance on Public Notice and the inherent need to subject the Anchor Point-Seldovia frequency change to a thirty day public comment period, in all likelihood grant of the subject application will be further delayed until mid-December.

3. As delineated in the attached letter from David Becker, President of Peninsula Communications, Inc., the Anchor Point-Seldovia station is in the middle of a six translator chain which cannot be totally operational absent employment of the above-referenced station. The onset of the Alaskan winter season further exacerbates Peninsula's plight since construction will be

severely hampered or quite possibly rendered impossible until spring of 1987.

4. The Commission has on numerous occasions recognized the unique nature of the communications industry in Alaska and the inherent problems therewith. See Wrangell Radio Group, 75 FCC 2d 404, 46 RR 2d 1329 (1979). Peninsula is poised and fully prepared to commence immediate service to the Alaskan public should the Commission grant the subject STA request. The public interest benefits supporting Peninsula's STA request are self-evident.

5. Peninsula would immediately cease operation pursuant to Section 74.1203 of the Commission's Rules should "interference to the direct reception by the public of off-the-air signals of any broadcast station" occur.

In light of the foregoing, it is respectfully requested that Peninsula Communications, Inc. be granted Special Temporary Authority to operate station K224BU on 99.3 MHz at Anchor Point-Seldovia, Alaska.

Very truly yours,

Stephen C Simpson

Stephen C. Simpson

SCS/cmj

KPEN
Nice & Easy FM 102

STEREO 3000 WATTS • CENTRAL KENAI PENINSULA

Oct. 15, 1986

Mr. Steve Simpson
Southmayd, Powell and Taylor
1764 Church Street, N.W.
Washington, D.C. 20036

Re: Application Number 860819TC 99.3 MHz Anchor Point

Dear Steve:

I am writing in regard to the above referenced frequency change of KPEN's FM Translator station K224BU from 92.7 to 99.3 MHz....I am greatly concerned about the possibility of a grant to change frequency not happening until late November or early December. As you know, this will be well into our "Winter Season" here and my concern is for the obvious problems due to the cold weather hampering construction.

Therefore, I would like to make a request for an "STA" to operate on 99.3 pending the grant of our application. As you know, this translator is in the middle of a six translator chain, which cannot be totally up and operating without this unit in the chain. The balance of the chain has been constructed and the final total system turn-on depends on this station being on the air. Clearly, there would be a benefit to the public by permitting the service to begin...and of course, we would be prepared to turn it off should any unexpected problems arise.

Sincerely, David F Becker
David F. Becker Pres. $ Gen.Mgr.

Peninsula Communications, Inc
S R #2 BOX 777H • SOLDOTNA ALASKA 99669
STUDIO TRANSMITTER • 36550 KALIFONSKY BEACH ROAD
CORPORATE OFFICE • P O BOX 103 HOMER, ALASKA 99603
(907) 283-7451 or 262-6000 • 235-7551

16

receipt

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ATTORNEYS AT LAW
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WASHINGTON, DC 20036

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STEPHEN C SIMPSON*

*ADMITTED IN MA ONLY

COUNSEL
GREGG R POTVIN*
MICHAEL R MILLER

*ADMITTED IN IDAHO ONLY

March 30, 1987



Mr. William J. Tricarico
Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

Re: K257DB
Anchor Point-Seldovia, AK

Dear Mr. Tricarico:

Transmitted herewith, in triplicate, on behalf of Peninsula Communications, Inc. is an FCC Form 346 application seeking modification of the above-referenced facilities. The requested modification seeks (1) authority to construct a re-designed antenna system; (2) a waiver of Section 74.1235 of the Commission's Rules and Regulations to allow for power output of 100 watts; and, (3) a change of translator input to KPEN-FM "direct" on 107.7 MHz as opposed the previously proposed "intermediate translator" method.

Should you have any questions concerning this matter, please contact the undersigned.

Very truly yours,

Stephen C Simpson

Stephen C. Simpson

SCS/cmj

17

United States of America
Federal Communications Commission
Washington, D C 20554

Approved by OMB
3060-0016
Expires 1-31-88

COMMISSION USE ONLY
File No

**APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN A LOW POWER TV, TV TRANSLATOR OR FM TRANSLATOR STATION**
*(Carefully read instructions before filling out form—RETURN ONLY FORM TO FCC)*

Section 1 GENERAL INFORMATION

1 Name of Applicant

PENINSULA COMMUNICATIONS, INC.

Street Address P. O. BOX 103

City

66140 DIAMOND RIDGE RD. | HOMER

State | ZIP Code | Telephone No *(include area code)*

AK | 99603 | (907) 235-7551

2 This application is for *(check one box)*

☒ FM Translator ☐ Low Power Television ☐ Low Power TV-Subscription TV (FCC approved technical system) ☐ TV Translator

(a) Channel No (b) Community of License

City State

257A | ANCHOR POINT-SELDOVIA | AK

Check the appropriate boxes below

(1) New Station ☐ *(2) Modification of Construction Permit (CP) (Check this box only if CP is not covered by an operating license) ☒ CP File No BMPFT-860819 TC

(3) Change in licensed facilities ☐ *(check Major or Minor)* Call Letters K 257 DB

Major ☐ Minor ☐ Application Reference No

**(4) Amendment of pending applications ☐

Note *If the proposed change is "minor" pursuant to Section 73 3572 of the Commission's Rules attach plots, comparing the existing and proposed protected signal contours as Exhibit No ____.

**For amendments to a previously filed application, submit only Section I and those portions of the form that contain the amended information

3 (a) Is this application mutually exclusive with a renewal application? ☐ Yes ☒ No

(b) To the applicant's knowledge, is this application mutually exclusive with another application(s)? ☐ Yes ☒ No
If the answer to question 3(a) or 3(b) is Yes, state the following information

Call letters or File No — Community of License: City — State

(b)

FCC 346
April 1985

18

## GENERAL INFORMATION

| | YES | NO |
|---|---|---|
| 4 (a) Is translator applicant the licensee of primary station? | ☒ | ☐ |
| (b) If answer to 4(a) is No, has written authority been obtained from the licensee of the station whose programs are to be retransmitted? | ☐ | ☐ |
| 5 Station Identification<br>The Applicant certifies that it will comply with applicable station identification rules. See Sections 73.1201, 74.783 and 74.1283 of the Commission's Rules | ☒ | ☐ |
| 6 Is type approved broadcast equipment being specified? | ☒ | ☐ |
| If No, indicate date equipment was submitted to FCC Laboratory for approval | | |
| 7 Would a Commission grant of your application be a major action as defined by Section 1.1305 of the of the Commission's Rules? None of the provisions of Section 1.1305(a) is applicable | ☐ | ☒ |
| If Yes, attach as Exhibit No. _____ the required statement in accordance with Section 1.1311 of the Commission's Rules | | |
| If No, explain briefly | | |
| 8 If the application is for a new FM translator, have any funds, legal or engineering services or anything else of value been furnished, directly or indirectly, by the licensee, or permittee of any FM broadcast station or any person associated with such station? | ☒ | ☐ |
| If Yes, attach an explanation as Exhibit No. A-5, identifying the source and nature of the financial support or assistance | | |

Applicant is licensee of primary station, KPEN-FM

Section VI

## ENGINEERING DATA

1 Facilities requested

a Output Channel No: 257A | Transmitter Rated Power Output: 100 W ** | Proposed Principal Community(ies) to be served — City: ANCHOR POINT - SELDOVIA | State: AK

Frequency 99.3 MHz ** SEE EXHIBIT A-1 & EXHIBIT A-6

Primary station (*station to be rebroadcast — Translator station only*)

Call Sign: KPEN (FM) | City: SOLDOTNA | State: AK | Frequency: 101.7 MHz

b Offset (Low Power TV and TV Translator Stations only) *(Check one of the following)*

☐ No offset ☐ Zero offset ☐ Plus offset ☐ Minus offset

c Input Channel Frequency — No: 269A | 101.7 MHz

If station is to operate via another translator station, indicate call sign and location of final intermediate translator

2 Proposed transmitter location

City: HOMER | State: AK

County: KENAI PENINSULA BOROUGH

Address or other description of location: 66140 Diamond Ridge Road, HOMER, ALASKA

Geographical coordinates of transmitting antenna to nearest second

North Latitude: 59° 41' 03" | West Longitude: 151° 37' 51"

Attach as Exhibit No A-2 a map or maps (preferably topographic, if obtainable, such as Geological Survey quadrangles) for of the area of the proposed transmitter location shown drawn thereon the following data.

a Scale of miles

b Proposed transmitter location accurately plotted

c Principal community to be served by the proposed station, clearly identified and labeled

| | Make | Type No | Length | Output Power |
|---|---|---|---|---|
| 3 Transmitter | QEI Corp.<br>TEPCO Corp. | 675T150A Amplifier<br>1-317 Robt. Jones | [redacted] | 0.100 kw<br>0.010 |
| 4 Transmission line | CABLEWAVE | FLC 12-50J | 50 ft. | Rated efficiency E for length given *(decimal fraction)* 0.90 |

5 Transmitting antenna ☒ Directional ☐ Non-Directional

| Manufacturer | Model[1] | Description[1] |
|---|---|---|
| SCALA ELECTRONICS INC. | HDCA-10 & HDCA-5 | 2 stacked 10 element Yagi's -plus- 2 stacked 5 element Yagi's |

| Orientation[2] | Height above ground[3] | Elevation of Site[4] | Power gain G *(multiplier)* in lobe of maximum radiation relative to a halfway dipole [5] |
|---|---|---|---|
| 100°, 190°, 315° | 62 ft. | 1135 ft. | 7.23 |

Effective radiated power (ERP) (ERP=P X E X G) 0.65 kw.

Height of antenna radiation center above mean sea level 1187 ft

[1] Give basic type using general descriptive terms such as half-wave dipole, "bow-tie" with screen, corner reflector, 10 element Yagi, 4 element in-phase array, two stacked 5 element Yagis, etc

[2] Show the direction of the main radiation lobe in degrees with respect to true north in a 360 degree horizontal azimuth, numbered clockwise with true north as zero azimuth

[3] [redacted] height to topmost portion of structure, including highest top mounted antenna and beacon if any

[4] [redacted] the ground elevation above mean sea level at the base of the transmitting antenna supporting structure

[5] [redacted] the actual power gain toward the radio horizon

6 Attach as Exhibit No A-3 a vertical plan sketch for the proposed total structure(s) including supporting structure(s), giving height of center of radiation above ground, overall height of structure above ground, including lighting beacon (if any) and height above mean sea level in feet for all significant features for BOTH RECEIVING AND TRANSMITTING ANTENNAS Also indicate any horizontal separation between receiving and transmitting antennas.

7 Will the proposed antenna supporting structure be shared with another station or stations of any class?

If Yes, list the call signs and class of such stations ☒ YES ☐ NO

FM TRANSLATOR K296BH Alaska Village Missions, Inc.

8 Attach as Exhibit No A-4 a polar diagram of the radiation pattern (relative field) of the transmitting antenna showing clearly the correct relationship between the major lobe or lobes and the minor lobes of radiation and a tabulation of the pattern at every ten degrees and all maxima and minima. Applicants proposing use of multiple transmitting antennas shall submit a composite radiation pattern If a non directional transmitting antenna will be employed, i e. an antenna with an approximately circular radiation pattern, check here ☐ and omit polar diagram.

9 Has FAA been notified of proposed construction? (NOT REQUIRED) ☐ YES ☒ NO

If Yes, give date and office where notice was filed

10 Unattended operation

a Is unattended operation proposed? ☒ YES ☐ NO

If Yes, and this application is for authority to construct a new station or to make changes in the facilities of an authorized station which proposes unattended operation for the first time, applicant will comply with the several requirements of Section 74 734 (TV Translators) or Section 74 1234 (FM Translators) of the Rules concerning unattended operation

b In space below state name, address and telephone number of a person or persons who may be contacted in an emergency to suspend operation of the translator should such action be deemed necessary by the Commission

| Name | Address *(street or other description)* | City | State | Telephone No *(include area code)* |
|---|---|---|---|---|
| David F. Becker | 66140 Diamond Ridge Rd., Homer, Alaska<br>P. O. BOX 103 | | | (907) 235-7551 |

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief

David F Becker — Signature (Print name below)

3/17/87 — Date

(907) 235-7551 — Telephone No *(include area code)*

David F. Becker

☐ Technical Director ☐ Registered Professional Engineer ☐ Consulting Engineer

☒ Chief Operator ☐ Other *(specify)*

FCC Form 364
May 1980

United States of America
FEDERAL COMMUNICATIONS COMMISSION

File No. BMPFT-860819 TC

Call Sign: K 257 DB

# CONSTRUCTION PERMIT

## BROADCAST TRANSLATOR STATION

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to conditions set forth in this permit, the permittee is hereby authorized to construct a station hereinafter described.

1. Name of Permittee ..... : PENINSULA COMMUNICATIONS, INC.

2. Principal community to be served ..... : ANCHOR POINT, SELDOVIA, AK

3. Primary station ..... : KPEN 269 SOLDOTNA, AK

4. Via ..... : K 285 CZ, STARISKI CREEK, AK

5. Operating assignment ..... : Channel 257A 99.3 MHZ

6. Hours of operation ..... Unlimited.

7. Transmitter ..... : TEPCO J 317

8. Transmitter power output ..... : 10 watts EACH OUTPUT

9. Transmitting antenna location ..... : 66140 DIAMOND RIDGE ROAD, HOMER, AK

10. North Latitude ..... 59 41 03
West Longitude ..... 151 37 51

11. Transmitting Antenna ..... SCALA HDCA-5 & 10

12. Antenna supporting structure ..... 5 AND 10 ELEMENT YAGIS, STACKED, SIDE & MAST-MOUNTED ON A STEEL TOWER.

13. Overall height above ground ..... : 62 FEET

14. Main radiation lobe oriented ..... : 100, 190 AND 315 DEGREES, TRUE

15. Obstruction marking specifications ..... : In accordance with the following paragraphs of FCC Form 715 (attached):

16. Conditions ..... (SEE ATTACHED SHEET)

17. Date of required completion of construction ..... 5-20-87

This permit DOES NOT AUTHORIZE OPERATION OF THE FACILITIES SPECIFIED HEREIN except for the conduct of EQUIPMENT TESTS pursuant to Section 74.13 of the Commission's Rules.

This permit shall be automatically forfeited if the station is not ready for operation within the time specified or within such further time as the Commission may allow for good cause shown.

Dated 11-20-86

FEDERAL COMMUNICATIONS COMMISSION

CJ

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CONDITION

In accordance with Section 1.110 of the Rules, this grant at a power level of ten watts in lieu of the proposed 100 W operation will be considered a grant, unless within 30 days of the date of this grant, the applicant files a written request rejecting the grant as made. Upon receipt of such a rejection, the grant will be set aside and the application designated for hearing. If the grant is accepted as made, technical changes in the proposed operation may be reflected in the covering license application (FCC FORM 347).

Section VII **Equal Employment Opportunity Program**

Does the applicant propose to employ five or more fulltime employees? ☐ YES ☒ NO

If the answer is Yes, the applicant must include an EEO program called for in the separate 5 Point Model EEO Program

Section VIII **Certification**

Has or will the applicant comply with the public notice requirement of Section 73 3580 of the Commission's Rules? ☐ YES ☐ NO

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application *(See Section 304 of the Communications Act of 1934, as amended )*

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with Section 1 65 of the Commission's Rules, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, Section 1001.**

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith

Signed and dated this 17 day of March , 19 87

PENINSULA COMMUNICATIONS, INC.
Name of Applicant

David F Becker
Signature

David F.Becker
President
Title

**FCC NOTICE TO INDIVIDUALS REQUIRED BY PRIVACY ACT AND THE PAPERWORK REDUCTION ACT**

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest The staff consisting variously of attorneys, analysts, engineers and application examiners, will use the information to determine whether the application whould be granted, denied, dismissed, or designated for hearing If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information Accordingly, every effort should be made to provide all necessary information Your response is required to obtain the requested Authority

**THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U S C. 552a(e)(3) AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.**

FCC FORM 346
1/25/86
Sec. VI, Para. 1(a)

EXHIBIT A-1

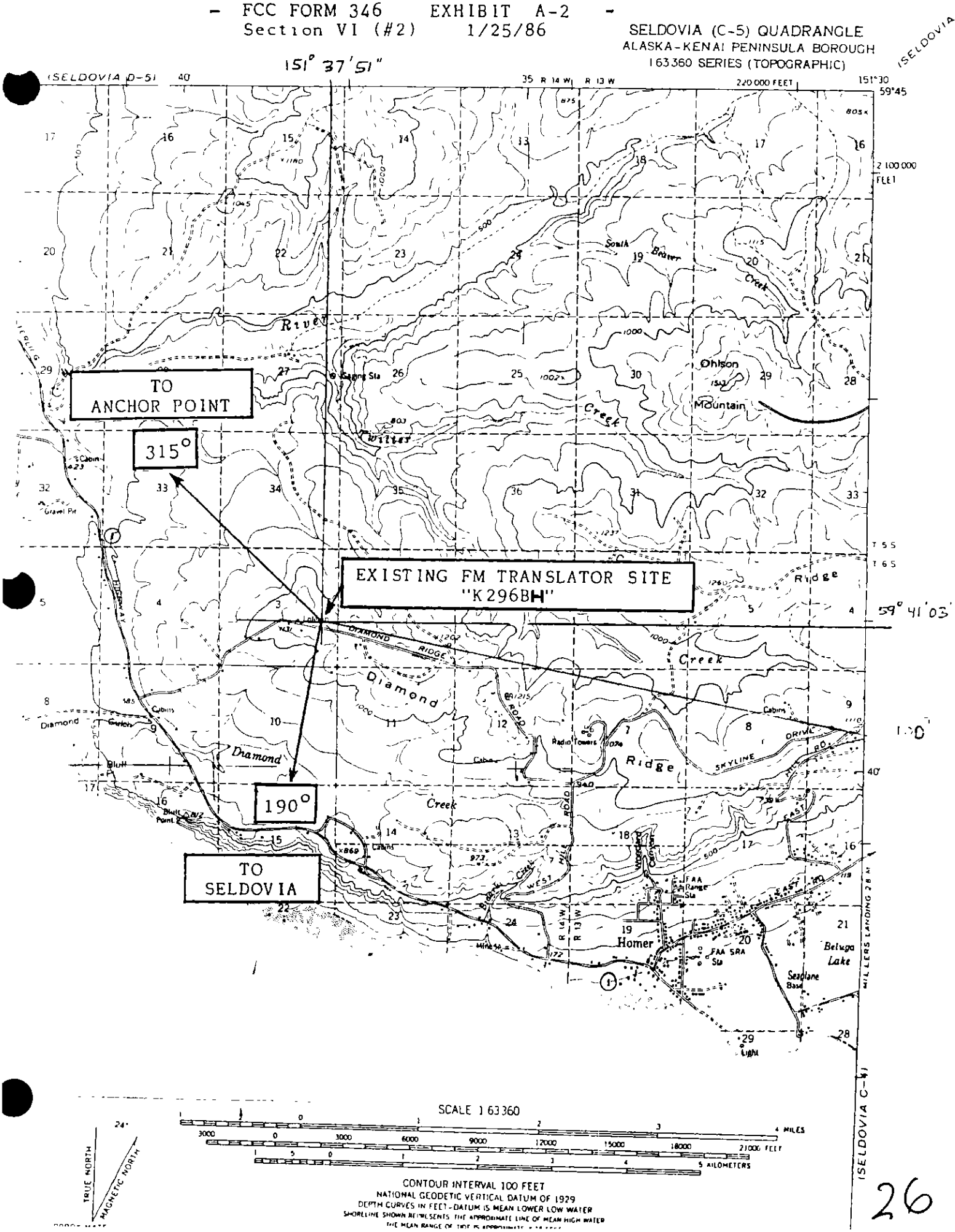
REQUEST FOR WAIVER OF SECTION 74.1235

Applicant hereby requests a waiver of Section 74.1235 of the Commission Rules, which limits power output to 10 watts. Applicant requests 100 watts TPO to enable wider area coverage consistent with waivers granted other Alaska FM translator stations....for example:

| | | |
|---|---|---|
| K249BY | Alaska Village Missions, Inc. | Kenai-Soldotna, Alasks |
| K285AA | Kodiak Community Church, Inc. | Kodiak. Alaska |
| K296DC | Kodiak Community Church, Inc. | Kodiak, Alaska |
| K252CF | KSRM, Inc. | Homer, Alaska |
| K261BE | Community Baptist Church, Inc. | Dillingham, Alaska |
| K265BJ | Peninsula Communications, Inc. | Kenai-Soldotna, Alaska |

All the above FM Translator stations have been authorized 100 watts transmitter output power.

- FCC FORM 346 EXHIBIT A-2 -
Section VI (#2) 1/25/86

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# EXHIBIT A-3 (PAGE 1)
AMMENDED

3-17-87

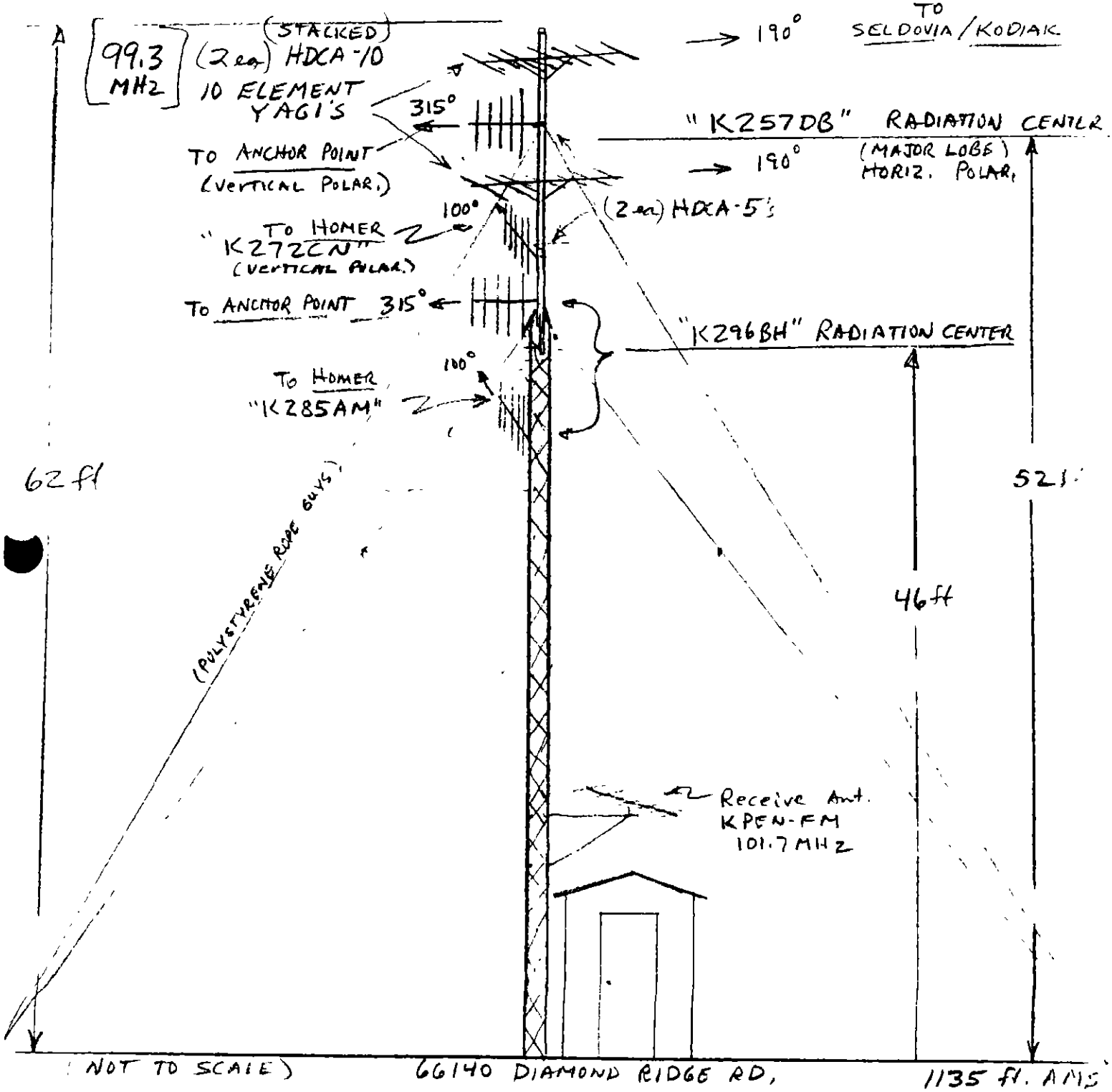



EXHIBIT A-3 PROPOSED ANTENNA STRUCTURE
VERTICAL PLAN SKETCH

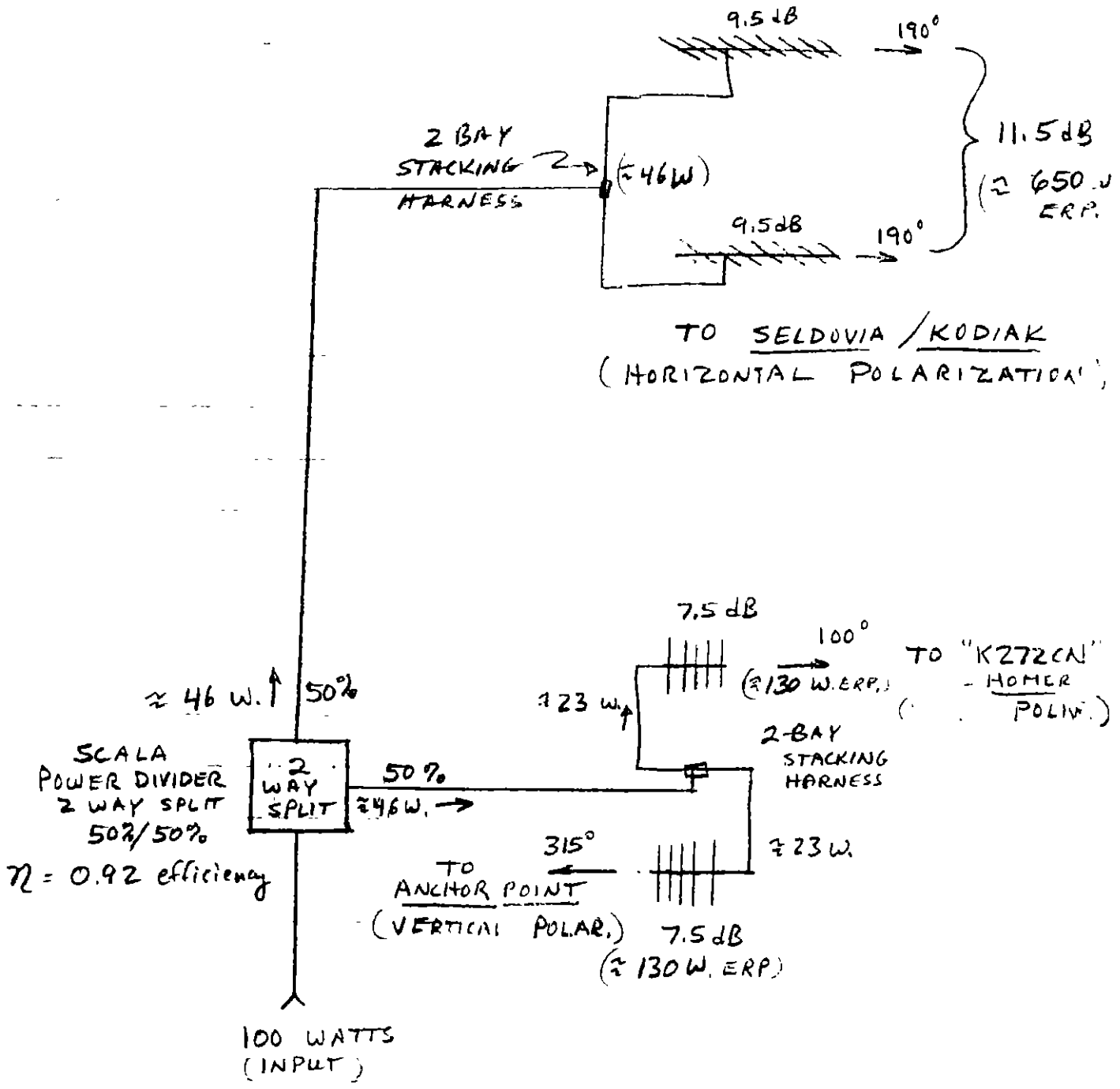
FCC FORM 346

N. LAT. 59° 41' 03"
W. LONG. 151° 37' 51"

# EXHIBIT A-3 (PAGE 2)
AMMENDED

3-17-87

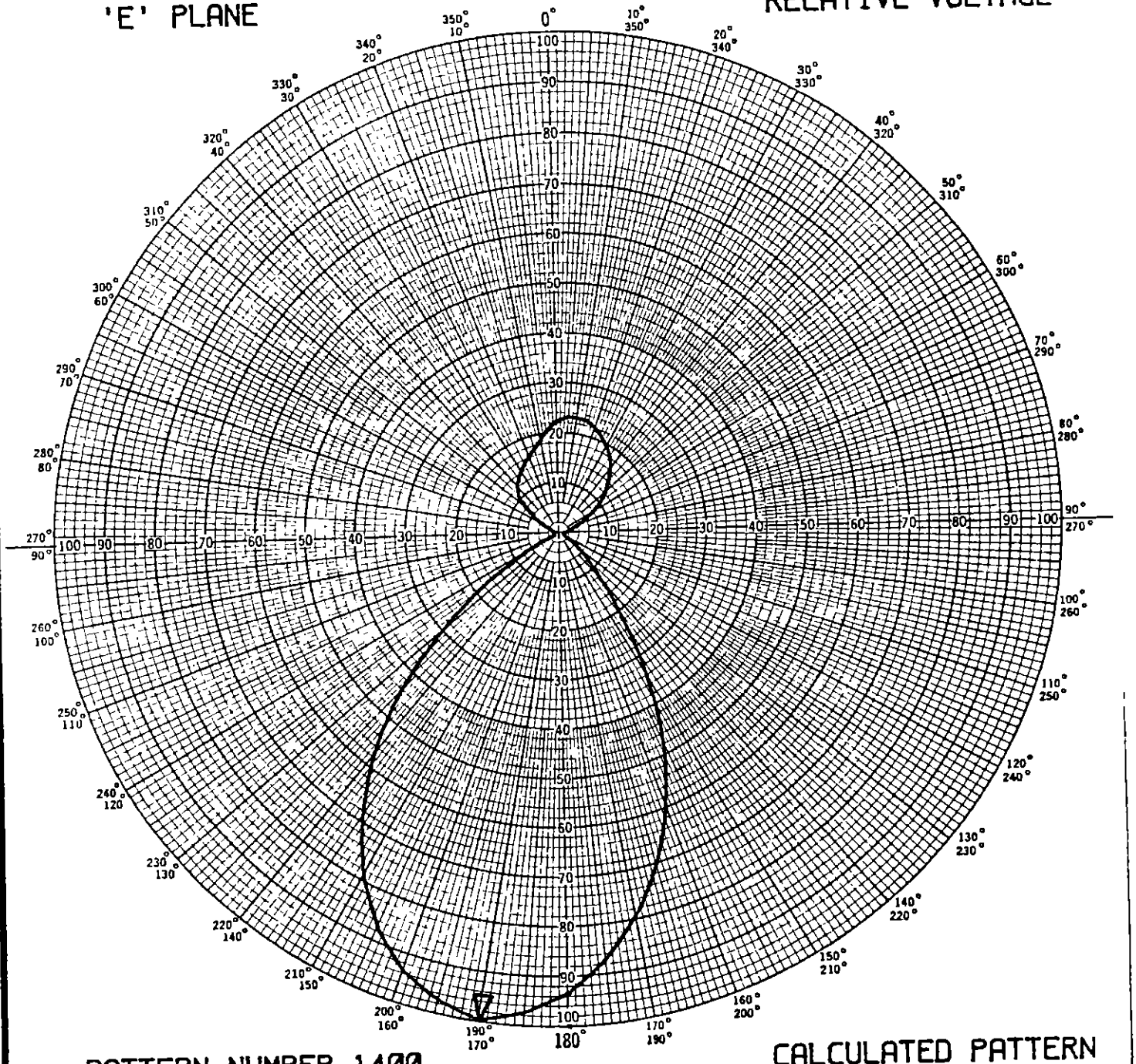
## ANTENNA WIRING DIAGRAM-SCHEMATIC




| AZIMUTH | Power Split Ratio | ≈ E.R.P. | POLARIZATION |
|---|---|---|---|
| 100° | 25% | 130 W. | VERTICAL |
| 190° | 50% | 650 W. | HORIZONTAL |
| 315° | 25% | 130 W. | VERTICAL |

'E' PLANE

RELATIVE VOLTAGE




PATTERN NUMBER 1400

CALCULATED PATTERN


**SCALA**
ELECTRONIC CORPORATION
POST OFFICE BOX 4580
MEDFORD, OREGON 97501
(503) 779-6500
TELEX: 151681


TWO SCALA HDCA-10 YAGIS ( FM )
BOTH ORIENTED AT 190 DEGREES
MAXIMUM ARRAY GAIN: 11.5 dBd
WITH 50% POWER
HORIZONTAL POLARIZATION

EXHIBIT A-4 page 1

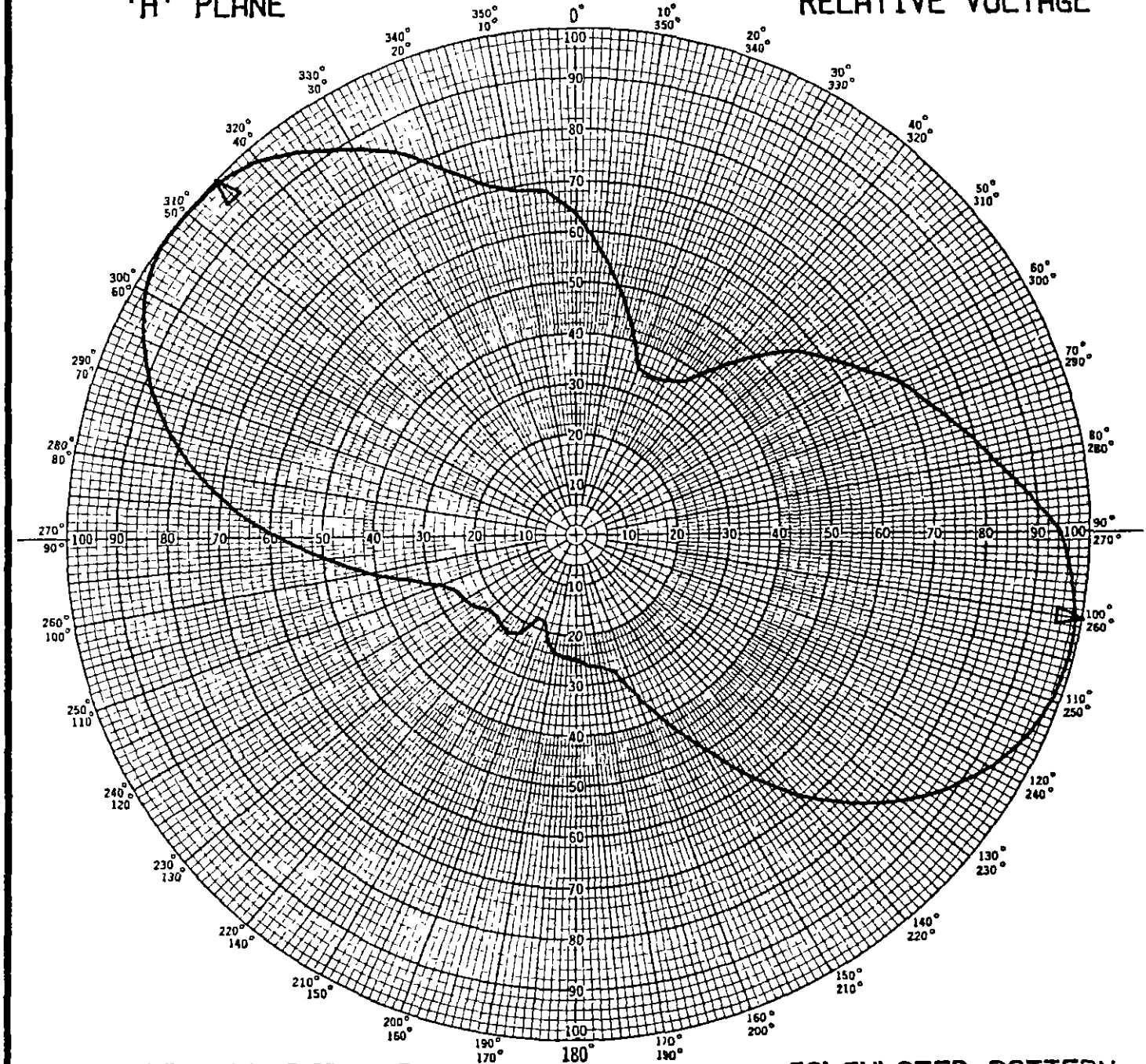
PATTERN NUMBER 1400

| AZIMUTH | RELATIVE VOLTAGE | RELATIVE DB | DBD |
|---|---|---|---|
| 0 | 0.225 | -13.0 | -1.5 |
| 10 | 0.233 | -12.7 | -1.2 |
| 20 | 0.220 | -13.2 | -1.7 |
| 30 | 0.195 | -14.2 | -2.7 |
| 40 | 0.160 | -15.9 | -4.4 |
| 50 | 0.120 | -18.4 | -6.9 |
| 60 | 0.070 | -23.1 | -11.6 |
| 70 | 0.030 | -30.5 | -19.0 |
| 80 | 0.015 | -36.5 | -25.0 |
| 90 | 0.010 | -40.0 | -28.5 |
| 100 | 0.010 | -40.0 | -28.5 |
| 110 | 0.010 | -40.0 | -28.5 |
| 120 | 0.010 | -40.0 | -28.5 |
| 130 | 0.050 | -26.0 | -14.5 |
| 140 | 0.120 | -18.4 | -6.9 |
| 150 | 0.330 | -9.6 | 1.9 |
| 160 | 0.590 | -4.6 | 6.9 |
| 170 | 0.792 | -2.0 | 9.5 |
| 180 | 0.935 | -0.6 | 10.9 |
| 190 | 1.000 | 0.0 | 11.5 |
| 200 | 0.938 | -0.6 | 10.9 |
| 210 | 0.792 | -2.0 | 9.5 |
| 220 | 0.580 | -4.7 | 6.8 |
| 230 | 0.310 | -10.2 | 1.3 |
| 240 | 0.095 | -20.4 | -8.9 |
| 250 | 0.010 | -40.0 | -28.5 |
| 260 | 0.010 | -40.0 | -28.5 |
| 270 | 0.010 | -40.0 | -28.5 |
| 280 | 0.010 | -40.0 | -28.5 |
| 290 | 0.010 | -40.0 | -28.5 |
| 300 | 0.030 | -30.5 | -19.0 |
| 310 | 0.080 | -21.9 | -10.4 |
| 320 | 0.125 | -18.1 | -6.6 |
| 330 | 0.145 | -16.8 | -5.3 |
| 340 | 0.165 | -15.7 | -4.2 |
| 350 | 0.190 | -14.4 | -2.9 |

EXHIBIT A-4 page 2

'H' PLANE

RELATIVE VOLTAGE




PATTERN NUMBER 1401

CALCULATED PATTERN

**SCALA**
ELECTRONIC CORPORATION
POST OFFICE BOX 4580
MEDFORD, OREGON 97501
(503) 779-6500
TELEX: 151681

TWO SCALA HDCA-5 YAGIS ( FM )
ORIENTED AT 100 AND 315 DEGREES
MAXIMUM ARRAY GAIN: 4.5 dBd (NET)
( WITH 50% POWER )
VERTICAL POLARIZATION

EXHIBIT A-4 Page 3

E-001

FCC FORM 346
1/25/86
Sec. 1, Para. 8

## EXHIBIT A-5

"SOURCE AND NATURE OF FINANCIAL SUPPORT OR ASSISTANCE"

Applicant is licensee of primary station KGTL-FM. Applicant will be translating within primary stations predicted 1 MV/M signal contour in order to correct signal deficiencies due to mountainous terrain which obstructs primary station's signal. This operation is permitted under FCC Rules, Section 74.1232 para. (e). Therefore, all funds, legal and engineering services will be provided by the licensee of the primary station to build the FM translator station as permitted by the FCC Rules.

FCC FORM 346
3/17/87
SEC. VI

EXHIBIT A-6

Peninsula Communications, Inc. (PCI) currently holds a Construction Permit for K257DB FM Translator station on 99.3 MHz. Although a waiver was requested for an output power of 100 watts, the CP was granted for only 10 watts because the previously proposed antenna system would have resulted in an Effective Radiated Power of 2.25 Kw. This ERP was not granted and therefore only 10 watts was allowed in the current authorization.

Therefore, this application is for a re-designed antenna system which reduces the ERP on the major lobe to 0.65 Kw (from 2.25 Kw), which is well within previous ERP levels granted to PCI for other FM translator stations. For example, K285CZ and K228CQ, both at 0.829 Kw each have been granted.

The only other significant change is the translator input is changed to KPEN-FM direct (not via an intermediate translator as previously proposed) on a frequency of 101.7 MHz.